

	<b>GROUP</b> <b>Fuel System</b>	<b>MODEL</b> 2011-2013MY Optima w/2.0L & 2.4L GDI (QF/TF) 2011-2013MY Sportage w/2.0L GDI (SL) 2012-2014MY Sorento w/2.4 GDI (XM) 2014MY Sorento w/3.3L GDI (XM) 2014MY Cadenza w/3.3L GDI (VG)
	<b>NUMBER</b> <b>026</b>	<b>DATE</b> <b>September 2013</b>

## TECHNICAL SERVICE BULLETIN

**SUBJECT:** MIL ON WITH DTC P0087 - DIAGNOSIS AND REPAIR

This bulletin provides information related to some Optima (TF/QF), Sportage (SL), Sorento (XM) and Cadenza (VG) vehicles, which may experience a malfunction indicator lamp (MIL) illuminated with the ECM (Electronic Control Module) system-related DTC P0087. To correct this concern, follow the procedure outlined in this bulletin and, if necessary, replace the high pressure fuel pump, fuel delivery pipe and mounting bolts.

DTC P0087 - Fuel Rail Pressure (FRP) Too Low



High Pressure Fuel Pump

### \* NOTICE

Refer to TSB ENG 083 for more details on GDI high pressure system handling procedures and fuel pump replacement, and the need to replace additional (one time use) hardware when the high pressure fuel pump is replaced.

**File Under: <FUEL>**

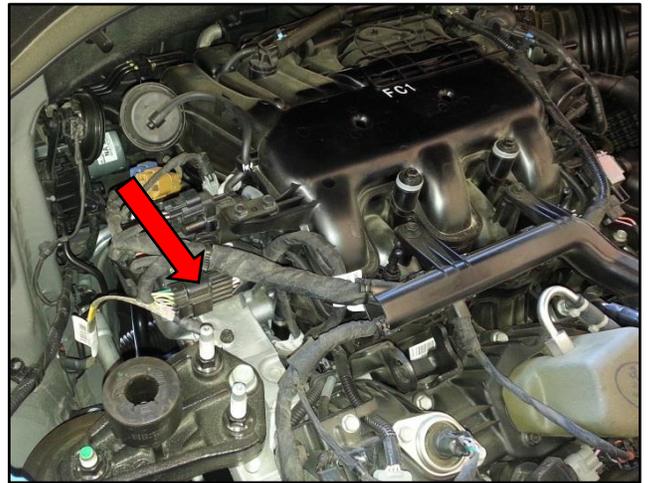
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**Circulate To:**   
 **General Manager**   
 **Service Manager**   
 **Parts Manager**  
 **Service Advisor(s)**   
 **Technician(s)**   
 **Body Shop Manager**   
 **Fleet Repair**

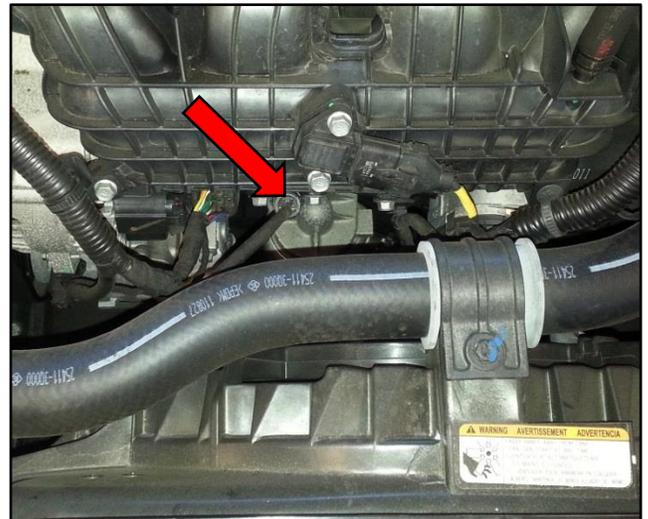
**Diagnosis Procedure:****\* NOTICE**

The following diagnostic and service procedures apply only to vehicles with MIL on and DTC P0087 (stored).

1. Check for other DTCs that would point to the low pressure fuel pump or fuel pressure sensor. Correct and repair as required.
2. Inspect the electrical connections at both the pump and the fuel pressure sensor.
  - On 3.3L GDI equipped vehicles, check connector CC22B.



- On 2.0L and 2.4L GDI equipped vehicles, check connector CHGINJ (12-BLK).



3. Check the fuel line connections on the low pressure side and use a gauge to manually check primary fuel pressure from the main pump.
4. If fuel pressure is within specification and all connections are secure, proceed to the service procedure on Page 3.

**SUBJECT: MIL ON WITH DTC P0087 - DIAGNOSIS AND REPAIR****Service Procedure:**

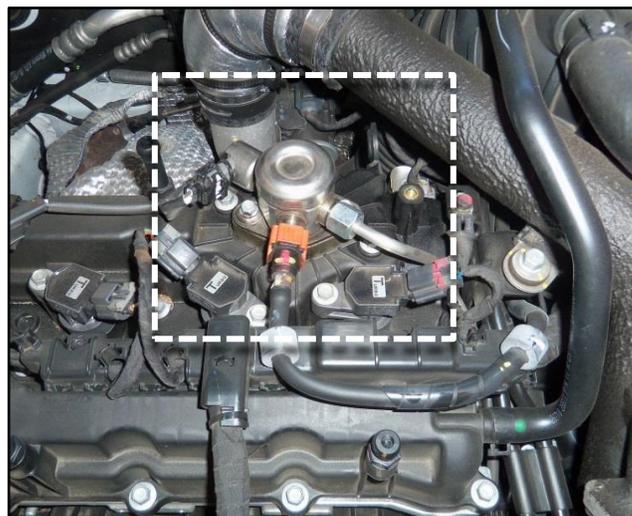
1. Replace the high pressure fuel pump per applicable procedure on KGIS.

**\* NOTICE**

To avoid a possible fuel leaks, do **not** reuse the high pressure fuel delivery pipe.

Refer to TSB ENG 083 for more details on GDI high pressure system handling procedures and fuel pump replacement, and the need to replace additional (one time use) hardware when the high pressure fuel pump is replaced.

Also, the Service Information on KGIS will be updated in the near future.

**WARNING**

Allow the vehicle to rest for a period of time before removing the high pressure fuel pump, delivery pipe or injector. Otherwise, serious injury may result from high pressure fuel spray.

**REQUIRED TOOL:**

Part Number	Figure	Comments
09314-3Q100		4 Cyl.

**REQUIRED PARTS:**

Refer to EPC catalog.